Thompson Creek
Mining Company

October 8, 2008

Dan Pitman
Air Quality Permitting
Division of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Dear Mr. Pitman,

Please find enclosed the Permit to Construct Application (PTC) for replacing our Tailings Pump Generator. The replacement generator will serve the same purpose, but this generator will be larger. The Thompson Creek Mining Company will operate the generator under the same imposed operating limit of 500 hours per year. This PTC application includes the Permit to Construct Application Form EU1, the emissions calculations, a compliance demonstration, and a summary of applicable NSPS IIII emissions standards. Also please find enclosed a check for the permit fees totaling $1,000.

Thank you for your attention to this matter, please contact me at (208) 838-2200 if you have any questions.

Sincerely,

Eric Tilman

Eric Tilman
Sr. Environmental Engineer,
Thompson Creek Mine

Enclosure

THOMPSON CREEK MINING COMPANY
PO BOX 62
CLAYTON, ID 83227

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

*Please see instructions on page **Error! Bookmark not defined.** before filling out the form.*

IDENTIFICATION		
Company Name: Thompson Creek Mining Company	Facility Name: Thompson Creek Mine	Facility ID No: 037-00001
Brief Project Description:	Replacent of Tailings Pumps Generator	

EXEMPTION
Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS		
1. Type of Unit: ☐ New Unit ☐ Unpermitted Existing Unit ☒ Modification to a Unit with Permit #:T2-050508 Date Issued: March 3, 2008		
2. Use of Engine: ☐ Normal Operation ☒ Emergency ☐ Back-up ☐ Other:		
3. Engine ID Number: EUTG-01	4. Rated Power: ☒ 2561 Brake Horsepower(bhp) ☒ 1910 Kilowatts(kW)	
5. Construction Date: October 15, 2008	6. Manufacturer: Kohler Power Systems	7. Model: 1750REOZDC
8. Date of Modification (if applicable):	9. Serial Number (if available):	10. Control Device (if any): Electronic Engine Control

FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	☒ Diesel Fuel (#1) (gal/hr)	☐ Gasoline Fuel (gal/hr)	☐ Natural Gas (cf/hr)	☒ Other Fuels (unit:Diesel #2 gal/hr)
12. Full Load Consumption Rate	396			396
13. Actual Consumption Rate	124			124
14. Sulfur Content wt%	<0.3 #1	N/A	N/A	<0.5 #2,

OPERATING LIMITS & SCHEDULE
15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): 500 HOURS/YEAR
16. Operating Schedule (hours/day, months/year, etc.):

ENSR
1601 Prospect Parkway, Fort Collins, CO 80525-9769
T **970.493.8878** F **970.493.0213** www.ensr.aecom.com

October 7, 2008

Mr. Eric Tilman
Environmental Engineer
Thompson Creek Mining Company
PO Box 62
Clayton, ID 83227

Subject: Replacement of Tailings Pump Generator

Dear Eric,

As requested, ENSR has performed emissions calculations (criteria and toxic air pollutant) for the proposed replacement of the Tailings Pump Emergency Generator (generator) at the Thompson Creek Mine. The existing generator is driven by a diesel-fired internal combustion (IC) engine rated at 1,272 bhp and limited to 500 hours per year (hr/yr) of operation. Thompson Creek Mining Company (TCMC) is proposing to replace this permitted unit with a larger generator driven by a diesel-fired IC engine rated at 2,561 bhp (1,910 bkW). This replacement IC engine will also be an emergency unit and limited to 500 hr/yr of operation. The replacement IC engine's capacity will be almost twice the capacity as the existing permitted IC engine, however, emissions of nitrogen oxides (NO_x), particulate matter less than 10 microns in diameter (PM_{10}), and sulfur dioxide (SO_2) will be reduced as the new IC engine will be subject to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines set out under 40 CFR Part 60, Subpart IIII. Emissions of carbon monoxide and volatile organic compounds from the replacement IC engine will increase only slightly from the currently permitted levels. Table 1 provides the criteria pollutant emissions calculations from the new proposed replacement IC engine. Table 2 provides the toxic air pollutants (TAPs) emissions from the new proposed replacement IC engine. Table 3 lists the net emissions increase or decrease from the new proposed IC engine versus the existing IC engine.

As requested by the Idaho Department of Environmental Quality (IDEQ) we have also performed an analysis to ascertain that the proposed modification will not cause or significantly contribute to a violation of an air quality standard. The IDEQ has discretionary modeling thresholds for criteria pollutants which if the emissions from the new IC engine alone are less than these thresholds, then an air quality analysis is not required. As shown in Table 4, the emissions from the new proposed replacement IC engine are less than the IDEQ's discretionary modeling thresholds for all criteria pollutants. Therefore, modeling is not required for criteria pollutants.

However, per IDAPA 58.01.01.210.04, TCMC must conduct a TAPs preconstruction compliance demonstration. The compliance demonstration may be performed using any of the IDEQ's approved standard methods as described in subsections 210.05 through 210.08. Under subsection 210.05 TCMC may compare the new source's (IC engine) uncontrolled emission rate for each TAP emitted to the applicable screening emission level (EL) listed in Sections 585 and 586, and if the uncontrolled emission rate is less than the applicable EL, no further procedures for demonstrating preconstruction compliance is required for each TAP. As shown in Table 5, several TAPs exceed the ELs listed in Sections 585 and 586, therefore, we followed Subsection 210.06 for uncontrolled ambient concentrations and performed a SCREEN3 model run using the uncontrolled emissions rate of each TAP and the maximum capacity (2,561 bhp) of the IC engine and 8,760 hours per year of operation.

ENSR used the current version of the SCREEN3 model (dated 96043) to estimate potential worst-case impacts due to emissions (TAPs) from the IC engine. The facility is located in a remote area. Access roads into the facility are controlled by locked and/or guarded gates. In addition, portions of the property are fenced and/or posted as necessary to preclude public access. Public access is further limited and made difficult to impossible by steep, extremely rugged terrain which acts as a physical barrier to access. Vehicle accessible roads in much of the surrounding area are also limited.

Consistent with the physical limits to public access described above, the ambient air boundary was established along the boundary of TCMC's patented and unpatented mill sites. In addition, physical or topographic features that preclude public access to the facility, such as steep terrain or distance from accessible roads, were also used to establish the ambient air boundary. The ambient air boundary is shown in Figure 1. Model inputs were as follows:

- The IC engine was modeled using an emission rate of 1 gram per second (g/s). Impacts were then scaled by the appropriate pollutant-specific (TAP) emission rate and scaling factor to obtain estimated pollutant-specific (TAPs) impacts.
- The exhaust stack height was assumed to be 15 ft, which is the same release height for the existing tailings pump generator IC engine.
- Since the exhaust stack will exit horizontally, the stack exit velocity was set to 0.001 m/s. Per IDEQ modeling guidance (State of Idaho Air Quality Modeling Guideline, dated December 31, 2002) the stack exit diameter for the horizontal stack was set to 0.001 m.
- The exhaust stack gas exit temperature was based on vendor provided data.
- The default ambient temperature of 293°K was used.
- Since the generator IC engine will be located in complex terrain, distances to terrain and terrain heights above exhaust stack base were determined for a line of receptors extending from the closest ambient boundary, as shown in Figure 2. Receptor locations were chosen such that the vertical difference between each receptor along the line was 20 ft.
- Maximum and minimum building lengths (15 ft and 8 ft, respectively), and the maximum building height (24 ft), was input to the model based on an estimate of the size of the building that the generator will be housed in. However, as stated in the SCREEN3 user's guide the model "will not consider building downwash effects in either the VALLEY or the simple terrain component of the complex terrain screening procedure, even if the building downwash option is selected."

The results of the modeling showed that the maximum predicted 24-hour off-site impact was 26.55 $\mu g/m^3$. A table showing the predicted pollutant-specific impacts based on this unit emission rate impact is presented in Table 5. As shown in Table 5, the uncontrolled ambient concentrations for all of the TAPs are each less than the applicable acceptable ambient concentrations, therefore, no further procedures for demonstrating preconstruction compliance are required for each of the TAPs emitted from the IC engine. Attachment B contains the SCREEN3 model output file.

NSPS IIII – Stationary Compression Ignition Internal Combustion Engines

Subpart IIII of Part 60 sets forth emission standards for manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE). For the purposes of this application the diesel-fired CI ICE proposed for driving the tailings pump generator will fall under a "2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder" and will be required to comply with the emission standards for new CI engines in §60.4202(a)(2). The following table summarizes the emission limits for generator sets KW > 900 (HP > 1,200) for 2007 model year and later emergency engines ≤3,000 hp and with a displacement <10 liters per cylinder. §60.4202(a)(2) requires the owner to purchase an engine that is certified by the manufacturer to the emission standards in 40 CFR 89.112 and 40 CFR 89.113.

Summary of Applicable NSPS IIII Emissions Standards for 2007 Model Year and Later Emergency Stationary CI ICE <30 Liters per Cylinder

Maximum Engine Power	Model Year(s)	NMHC + NO_x	CO	PM
Generator Sets 560<kW≤900 (750<hp≤1200)	2007 - 2010	6.4 g/kW-hr (4.8 g/hp-hr)	3.5 g/kW-hr (2.6 g/hp-hr)	0.20 g/kW-hr (0.15 g/hp-hr)

The referenced tables and figures are contained in Attachment A, while Attachment B contains the model output file. If you have any questions or need additional information, please do not hesitate to call me at (970) 530-3459.

Sincerely yours,

Jamie Christopher
Senior Program Manager
jchristopher@ensr.aecom.com

Attachment A
Tables and Figures

Table 1 **Thompson Creek Mining Company**
Tailings Pump Generator
Proposed Criteria Pollutant Emissions

Compression Ignition Internal Combustion Engine (CI-ICE) Data			
Make	Detroit Diesel/MTU	**Fuel Sulfur Content**	500 ppmw
Model	12V4000 G83 T-123-8A36	**Hours of Operation**	500 hr/yr
Mechanical Output [1]	2,561 hp	**Fuel Density** [2]	7.10 lb/gal
Electrical Output [1]	1,910 bkW	**HHV of Fuel** [2]	19,300 Btu/lb
Duty (input)	16.98 MMBtu/hr	**Fuel Consumption** [1]	123.90 gal/hr

Pollutant	Emission Factors	CI-ICE Emission Rates			
		Short-term		Annual	
		lb/hr	g/sec	tpy	g/sec
NO_x [3]	6.40 g/kW-hr	26.95	3.3956	6.74	0.1938
CO [3]	3.50 g/kW-hr	14.74	1.8569	3.68	0.1060
VOC [3]	0.70 g/kW-hr	2.95	0.3714	0.74	0.0212
PM_{10} [3]	0.20 g/kW-hr	0.84	0.1061	0.21	0.0061
SO_2 [4]	0.0071 lb/gal	0.88	0.1108	0.22	0.0063

[1] From vendor specification sheet.

[2] From AP42

[3] From NSPS Subpart IIII {Standards of Performance for Stationary Compression Ignition Internal Combustion Engines} §60.4205(b), which references §60.4202(a)(2) which requires the owner to purchase an engine that is certified by the manufacturer to the emissions standards in 40 CFR 89.112 and 40 CFR 89.113.

[4] SO_2 emission factor is based on a maximum sulfur content of 500 ppmv. This limit is effective until 2010, at which time 15 ppmw will be the limit per "Clean Air Nonroad Diesel Rule".

sample calculations:

(gal/hr) (7.10 lb/gal) (19,300 Btu/lb) (MM/10^6) = MMBtu/hr

(g/kW-hr) (bkW) (lb/453.59 g) = lb/hr; (lb/hr) (453.59 g/lb) (hr/60 min) (min/60 sec) = g/sec

(lb/hr) (hrs/yr) (ton/2000 lb) = tons/yr; (ton/yr) (2,000 lb/ton) (453.59 g/lb) (8760 hr/yr) (hr/60 min) (min/60 sec) = g/sec

[(ppmv-S) / (10^6)] * [2 lb SO_2 / lb S] * [7.10 lb / gal] = lb SO_2 / gal

Table 2 **Thompson Creek Mining Company**
Tailings Pump Generator
Estimated Potential Hazardous Air Pollutant Emissions

Compression Ignition Internal Combustion (CI-ICE) Engine Data			
Make	Detroit Diesel/MTU	**Model**	12V4000 G83 T-123-8A36
Mechanical Output	2,561 hp	**Hours of Operation**	500 hr/yr
Electrical Output	1,910 bkW	**Duty (input)**	16.98 MMBtu/hr

Pollutant	Emission Factors [1]	CI-ICE Emission Rates			
		Short-term		Annual	
		lb/hr	g/sec	tpy	g/sec
Benzene	7.76E-04 lb/MMBtu	0.01317	0.001660	0.003	0.00009
Toluene	2.81E-04 lb/MMBtu	0.00477	0.000601	0.001	0.00003
Xylenes	1.93E-04 lb/MMBtu	0.00328	0.000413	0.001	0.00002
Formaldehyde	7.89E-05 lb/MMBtu	0.00134	0.000169	0.000	0.000010
Acetaldehyde	2.52E-05 lb/MMBtu	0.00043	0.000054	0.000	0.000003
Acrolein	7.88E-06 lb/MMBtu	0.00013	0.000017	0.0000	0.000001
Naphthalene	1.30E-04 lb/MMBtu	0.00221	0.000278	0.0006	0.000016
Acenaphthylene	9.23E-06 lb/MMBtu	0.00016	0.000020	0.0000	0.000001
Acenaphthene	4.68E-06 lb/MMBtu	0.00008	0.000010	0.0000	0.000001
Fluorene	1.28E-05 lb/MMBtu	0.00022	0.000027	0.0001	0.000002
Phenanthrene	4.08E-05 lb/MMBtu	0.00069	0.000087	0.0002	0.000005
Anthracene	1.23E-06 lb/MMBtu	0.00002	0.000003	0.00001	0.000000
Fluoranthene	4.03E-06 lb/MMBtu	0.00007	0.000009	0.00002	0.000000
Pyrene	3.71E-06 lb/MMBtu	0.00006	0.000008	0.00002	0.000000
Benz(a)anthracene	6.22E-07 lb/MMBtu	0.000011	0.000001	0.00000	0.000000
Chrysene	1.53E-06 lb/MMBtu	0.00003	0.000003	0.00001	0.000000
Benzo(b)fluoranthene	1.11E-06 lb/MMBtu	0.00002	0.000002	0.00000	0.000000
Benzo(k)fluoranthene	2.18E-07 lb/MMBtu	0.000004	0.0000005	0.00000	0.0000000
Benzo(a)pyrene	2.57E-07 lb/MMBtu	0.000004	0.0000005	0.00000	0.0000000
Indeno(1,2,3-cd)pyrene	4.14E-07 lb/MMBtu	0.000007	0.0000009	0.00000	0.0000001
Dibenz(a,h)anthracene	3.46E-07 lb/MMBtu	0.000006	0.0000007	0.00000	0.0000000
Benzo(g,h,I)perylene	5.56E-07 lb/MMBtu	0.000009	0.0000012	0.00000	0.0000001
		Total HAPs		**0.007 ton/yr**	

[1] From AP42 Section 3.4 Large Stationary Diesel And All Stationary Dual-fuel Engines, Tables 3.4-3 and 3.4-4.

sample calculations:

(lb/MMBtu) (MMBtu/hr) = lb/hr; (lb/hr) (453.59 g/lb) (hr/60 min) (min/60 sec) = g/sec

(lb/hr) (hrs/yr) (ton/2000 lb) = tons/yr; (ton/yr) (2,000 lb/ton) (453.59 g/lb) (8760 hr/yr) (hr/60 min) (min/60 sec) = g/sec

Table 3 **Thompson Creek Mining Company**
Tailings Pump Generator
Net Emissions Increase / Decrease

Pollutant	Existing Tailings Pump Generator		Proposed New Tailings Pump Generator		Net Change	
	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(lb/hr)	(tpy)
NO_x	39.43	9.86	26.95	6.74	(12.48)	(3.12)
CO	8.65	2.16	14.74	3.68	6.09	1.52
VOC	0.00	0.00	2.95	0.74	2.95	0.74
PM_{10}	2.80	0.70	0.84	0.21	(1.96)	(0.49)
SO_2	2.61	0.65	0.88	0.22	(1.73)	(0.43)

Table 4 **Thompson Creek Mining Company**
Tailings Pump Generator
Criteria Pollutant Modeling Analysis Determination

Pollutant	Proposed New Tailings Pump Generator		IDEQ Discretionary Modeling Thresholds		Modeling Required
	(lb/hr)	(tpy)	(lb/hr)	(tpy)	(Yes / No)
NO_x	26.95	6.74	N/A	7.00	No
CO	14.74	3.68	70.00	N/A	No
VOC	2.95	0.74	N/A	N/A	No
PM_{10}	0.84	0.21	0.90	7.00	No
SO_2	0.88	0.22	0.90	7.00	No

Table 5 Thompson Creek Mining Company - Tailings Pump Generator
Toxic Air Pollutants Preconstruction Compliance Demonstration

Pollutant	Uncontrolled Emissions (lb/hr)	Screening Emission Level (EL) (lb/hr)	Exceeds EL (Yes / No)	Anuual Emissions Uncontrolled [a] (tpy)	Acceptable Ambient Concentrations (AAC) (mg/m^3)	Acceptable Ambient Concentrations (AAC) ($\mu g/m^3$)	Uncontrolled Maximum Predicted AAC (mg/m^3)	Uncontrolled Maximum Predicted AAC ($\mu g/m^3$)	Exceeds AAC (Yes / No)
Benzene	0.01317	0.0008	Yes	0.058		1.20E-01		1.38E-02	No
Toluene [b]	0.00477	25	No	0.021	18.75		0.00001596		No
Xylenes [b]	0.00328	29	No	0.014	21.75		0.00001096		No
Formaldehyde	0.00134	0.00051	Yes	0.006		7.70E-02		1.40E-03	No
Acetaldehyde	0.00043	0.003	No	0.002		4.50E-01		4.47E-04	No
Acrolein [b]	0.00013	0.017	No	0.001	0.0125		0.00000045		No
Naphthalene [b]	0.00221	3.33	No	0.010	2.5		0.00000738		No
Acenaphthylene [1]	0.00016	0.0000915	Yes	0.001		1.40E-02		1.64E-04	No
Acenaphthene [1]	0.00008	0.0000915	No	0.0003		1.40E-02		8.31E-05	No
Fluorene [1]	0.00022	0.0000915	Yes	0.001		1.40E-02		2.27E-04	No
Phenanthrene [1]	0.00069	0.0000915	Yes	0.003		1.40E-02		7.24E-04	No
Anthracene [1]	0.00002	0.0000915	No	0.00009		1.40E-02		2.18E-05	No
Fluoranthene [1]	0.00007	0.0000915	No	0.00030		1.40E-02		7.15E-05	No
Pyrene [1]	0.00006	0.0000915	No	0.00028		1.40E-02		6.58E-05	No
Benz(a)anthracene	0.000011								
Chrysene	0.00003								
Benzo(b)fluoranthene	0.00002								
Benzo(k)fluoranthene	0.000004	0.000002	Yes	0.00033		3.00E-04		7.98E-05	No
Benzo(a)pyrene	0.000004								
Indeno(1,2,3-cd)pyrene	0.000007								
Dibenz(a,h)anthracene	0.000006								
POM - PAH Mixtures [2]	0.000076								
Benzo(g,h,I)perylene [1]	0.000009	0.0000915	No	0.00004		1.40E-02		9.87E-06	No

SCREEN Unit Emission Rate (1 g/s) Peak Impacts

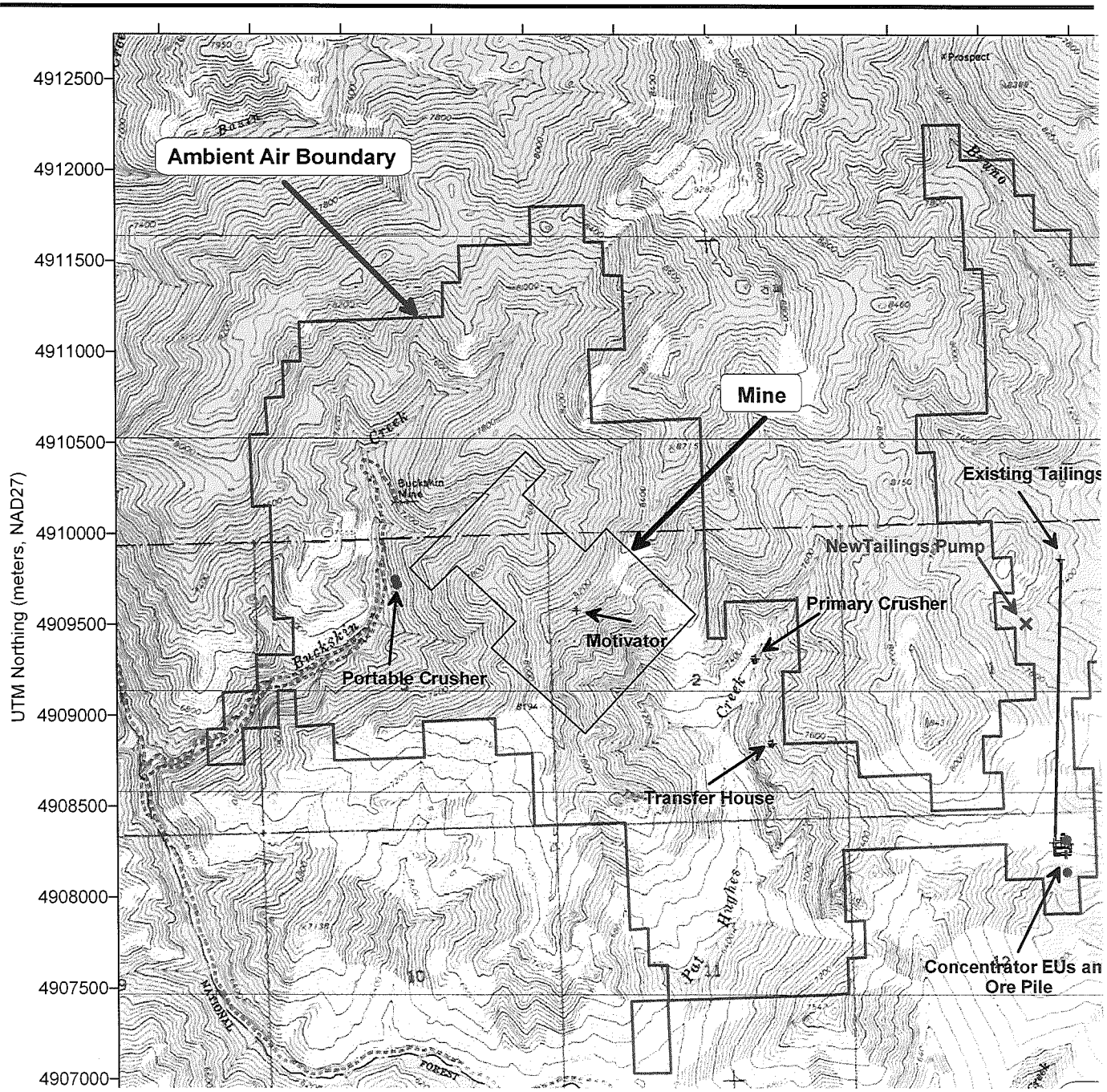
Avg Period	Highest X/Q (mg/m^3 per g/sec)	Highest X/Q ($\mu g/m^3$ per g/sec)
1-hour	0.0664	66.38
24-hour	0.0266	26.55
Annual	0.0083	8.30

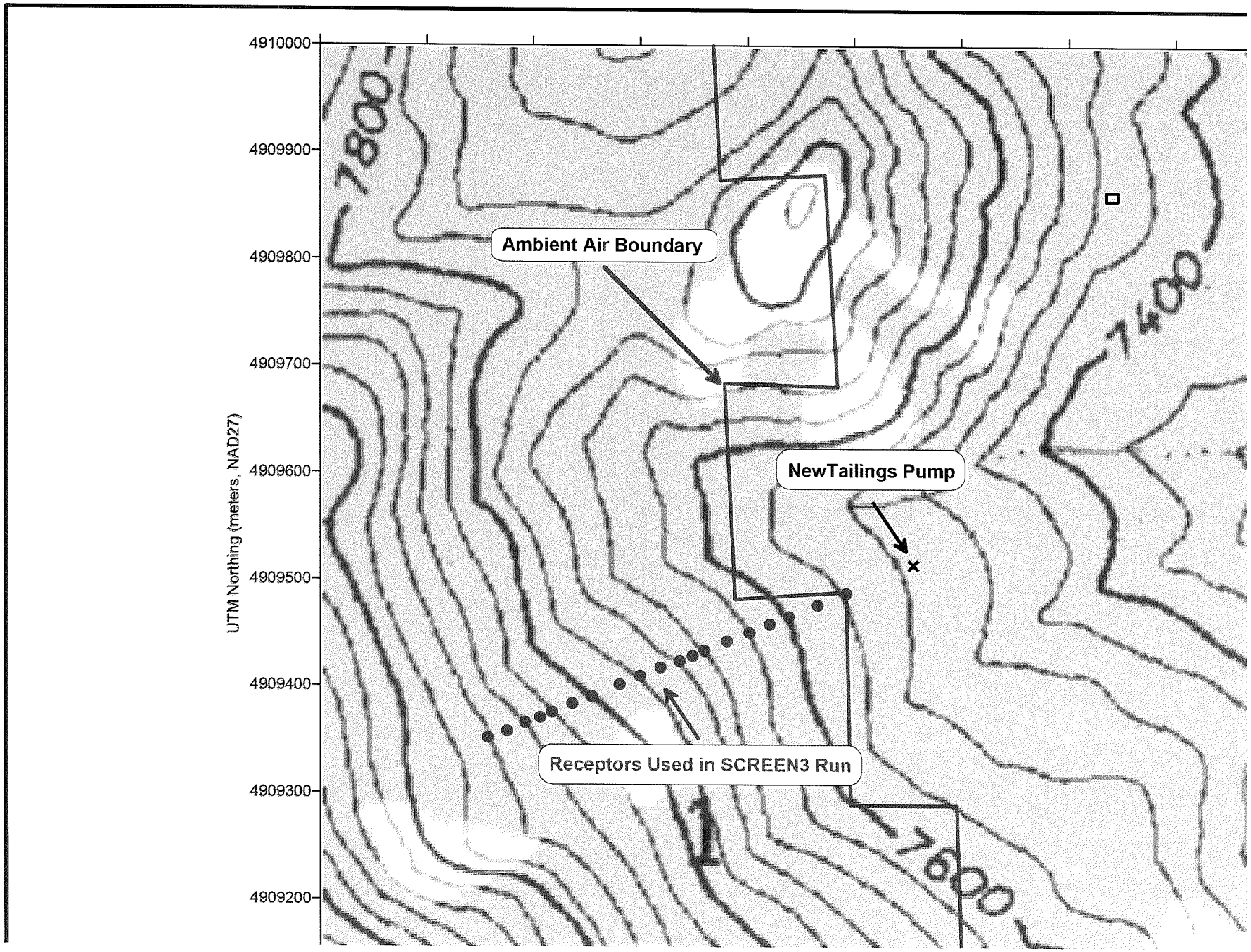
[a] Annual emissions uncontrolled (tpy) based on 8,760 hr/yr

[b] These AAC are 24-hour averages, all other AAC are annual averages.

[1] These TAPs are considered PAHs. EL is 9.1E-05 lb/hr

[2] The table in 58.01.01.586 indicates that polycyclic organic matter (POM) or PAH mixtures of the following shall be considered together as one TAP equivalent in potency to benzo(a)pyrene: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, chrysene, indenol(1,2,3,-cd)pyrene, benzo(a)pyrene.


Ambient Air Boundary
Mine
Existing Tailings
NewTailings Pump
Primary Crusher
Motivator
Portable Crusher
Transfer House
Concentrator EUs an
Ore Pile
Buckskin Mine
Buckskin Creek
Creek
Pat Hughes
MACDONAL
FOREST
Prospect
UTM Northing (meters, NAD27)
4912500
4912000
4911500
4911000
4910500
4910000
4909500
4909000
4908500
4908000
4907500
4907000


4910000
4909900
4909800
4909700
4909600
4909500
4909400
4909300
4909200
UTM Northing (meters, NAD27)
7800
7500
7600
Ambient Air Boundary
NewTailings Pump
Receptors Used in SCREEN3 Run

Attachment B
SCREEN3 Model Output File

09/25/08
13:51:19

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 96043 ***

Thompson Creek - Tailings Pump Engine - Complex Terrain

COMPLEX TERRAIN INPUTS:

SOURCE TYPE	=	POINT
EMISSION RATE (G/S)	=	1.00000
STACK HT (M)	=	4.5700
STACK DIAMETER (M)	=	.0010
STACK VELOCITY (M/S)	=	.0010
STACK GAS TEMP (K)	=	738.0000
AMBIENT AIR TEMP (K)	=	293.0000
RECEPTOR HEIGHT (M)	=	.0000
URBAN/RURAL OPTION	=	RURAL

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = .000 M**4/S**3; MOM. FLUX = .000 M**4/S**2.

FINAL STABLE PLUME HEIGHT (M) = 4.6
DISTANCE TO FINAL RISE (M) = 151.3

			VALLEY 24-HR CALCS		**SIMPLE TERRAIN 24-HR CALCS**				
TERR HT (M)	DIST (M)	MAX 24-HR CONC (UG/M**3)	CONC (UG/M**3)	PLUME HT ABOVE STK BASE (M)	CONC (UG/M**3)	PLUME HT ABOVE STK HGT (M)	SC	U10M (M/S)	USTK
12.	68.	.5586E-04	.5586E-04	4.6	.0000	.0	0	.0	.0
18.	97.	.5330E-01	.5330E-01	4.6	.0000	.0	0	.0	.0
24.	127.	1.060	1.060	4.6	.0000	.0	0	.0	.0
30.	146.	2.936	2.936	4.6	.0000	.0	0	.0	.0
37.	166.	6.150	6.150	4.6	.0000	.0	0	.0	.0
43.	189.	10.36	10.36	4.6	.0000	.0	0	.0	.0
49.	211.	14.56	14.56	4.6	.0000	.0	0	.0	.0
55.	223.	16.57	16.57	4.6	.0000	.0	0	.0	.0
61.	237.	18.62	18.62	4.6	.0000	.0	0	.0	.0
67.	256.	21.00	21.00	4.6	.0000	.0	0	.0	.0
73.	276.	23.10	23.10	4.6	.0000	.0	0	.0	.0
79.	297.	24.62	24.62	4.6	.0000	.0	0	.0	.0
85.	325.	25.91	25.91	4.6	.0000	.0	0	.0	.0
91.	344.	26.36	26.36	4.6	.0000	.0	0	.0	.0
98.	365.	26.55	26.55	4.6	.0000	.0	0	.0	.0
104.	377.	26.55	26.55	4.6	.0000	.0	0	.0	.0
110.	392.	26.44	26.44	4.6	.0000	.0	0	.0	.0
116.	411.	26.18	26.18	4.6	.0000	.0	0	.0	.0
122.	430.	25.80	25.80	4.6	.0000	.0	0	.0	.0

****
*** SUMMARY OF SCREEN MODEL RESULTS ***
****

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)	
COMPLEX TERRAIN	26.55	365.	98.	(24-HR CONC)

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

1410 North Hilton
Boise, Idaho 83706-1253

RECEIPT

10/14/08
DATE

RECEIVED FROM Thompson Creek (via Bill)

SOURCE
Cash ☐ Check ☒ Money Order ☐ No. 70130

DESCRIPTION	AMOUNT OF PAYMENT
PTC	1,000 00

RECEIVED BY S. Woodland

TOTAL RECEIVED 1,000 —

PID	OBS	CA	SUB-OBJ	WP	BE

№ 82906